

Abstract of the Disclosure

A gas spring for a pressing tool. A cylindrical chamber is divided by a piston into a first space and a second space. The piston is attached to a piston rod, which is axially moveable in the cylindrical chamber. The gas spring is designed with an opposing force to counteract a movement that is produced by forces acting axially on the piston rod in that the first space and the second space are pressurized with a gas. Passages connect the first space and the second space and permit a flow of gas between the first space and the second space. The passages occupy an area that is greater than 5% of the area of the piston in order to reduce the amount of heat generated in the gas spring. The area of the piston is the difference between the cross-sectional areas of the cylindrical chamber and the piston rod.